

Kaukauna Locks and Dam, Storage Building at Lock 4
Approximately 15 feet northeast of the lock shelter
Kaukauna
Outagamie County
Wisconsin

HAER No. WI-87-P

HAER
WIS
44-KAUK,
3P-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD
Rocky Mountain System Support Office
National Park Service
P.O. Box 25287
Denver, Colorado 80225-0287

HISTORIC AMERICAN ENGINEERING RECORD

KAUKAUNA LOCKS AND DAM, STORAGE BUILDING AT LOCK 4

HAER NO. WI-87-P

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Location: The Storage Building at Kaukauna Lock 4 is located northeast of the lock shelter on the north side of the lock in French Lot PC 34, T21N, R19E, Civil Town of Vandebroek, Outagamie County, Wisconsin.

UTM: 16/400060/4904040; USGS Quadrangle: Kaukauna, Wisconsin 7.5' series

Date of Construction: 1980

Engineer: United States Army Corps of Engineers with Contractors

Architect: United States Army Corps of Engineers with Contractors

Present Owner: United States Army Corps of Engineers

Present Use: Storage of paint and petroleum products.

Significance: The storage shed functions as part of the daily operation of the Kaukauna Locks and Dam Complex.

Project Information: This documentation was undertaken in 1995 in accordance with requirements detailed in a June 19, 1994 letter from Gregory D. Kendrick, Chief, History Branch, NPS to Dale Monteith, Acting Chief, Planning Division, USACOE, Detroit District. The Lower Fox system remains basically operational but was placed in caretaker status by the USACOE in 1982. The USACOE plans to divest itself of the Lower Fox system as soon as is feasible; therefore, NPS requested this documentation. All documentation conforms to HAER standards.

Dr. John D. Richards, Principal Investigator; Georgia A. Lusk, Patricia B. Richards, and Robert J. Watson, Project Archivists with Great Lakes Archaeological Research Center, Inc.; Joseph Paskus, Project Photographer.

STORAGE

A prefabricated metal storage shed is located northeast of the lock shelter. The building was part of a November 11, 1982 order placed by the Fox River Project Office for seven TL-1 type, prefabricated metal buildings from Armco Building Systems of Cincinnati, Ohio. The Lock 4 example is 6 feet 7 inches square and 8 feet high. It has a flat roof, one metal door, and one louvered vent panel in the rear. Wall and ceiling panels are assembled on a concrete foundation.¹

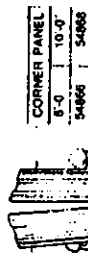
ENDNOTES

- 1 Armco Steel Buildings, Erection Instructions TL-1 Building, sheets ET-115, ET-116, ET-118, ET-119.

CORNER ERECTION

Starting at a corner assemble a corner panel and typical panel by bolting the interlocking ribs to the base channel and bolt the end of the corner panel to the base channel. The corner panel and base channel door and window locations so that short panels can be installed.

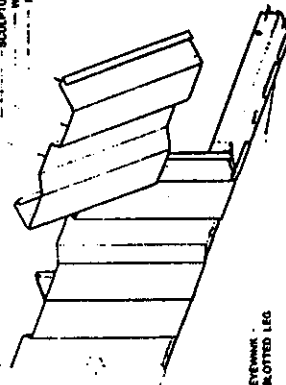
Typical Steel Panel	Corner Panel
8'-0" 10'-0"	8'-0" 10'-0"
54497 54492	54496 54495



BASE CHANNEL

PANELS OVER SLITTING DOORS	SIZE	QTY
ALL	8' 10'	54504
	8' 10'	54498

SCULPTURE WEB RIB

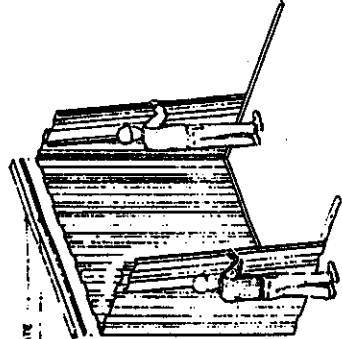


FRONT WEB RIB

WALL ERECTION

Erect end wall panels by placing the bottom of panel on base channel with panel ribs in base channel slots and panel web outside of slotted legs. Panel sculpture must be inside of base channel eye-bolt. Interlock male rib with the female rib of the preceding panel and bolt interlocked ribs to the base channel.

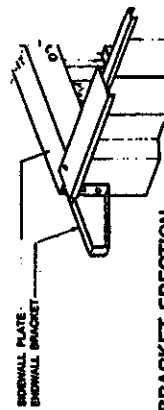
ENDWALL PLATE



WALL CAP AND PLATE SCHEDULE	8'-0"	8'-0"	12'-0"
ENDWALL CAP	50094	50095	50096
REAR OR ENDWALL PLATE	60010	60011	60012
FRONT PLATE	60031	60032	60033

WALL CAP & PLATE ERECTION

Place wall cap and plate on endwall plate. Plumb and square panel and do not over-tighten bolts. Erect the side walls, one at a time, starting from the building and the other wall from inside the building. Install endwall wall caps and plates against corner panels. Top of front plate should be 1/2" above wall panels and rear plate should rest on wall panels. Erect second end wall and wall cap. Position end wall plates flush with front and rear plates, then wrench tighten all plate bolts. See door and window instructions for installation. For 8'-4" long building field cut endwall plate and wall cap.



BRACKET ERECTION

Attach and wall brackets (60014 or 60015) flush with top of endwall plates using two 3/4" x 3/4" THSB at each corner. Field drill using 1/4" drill.

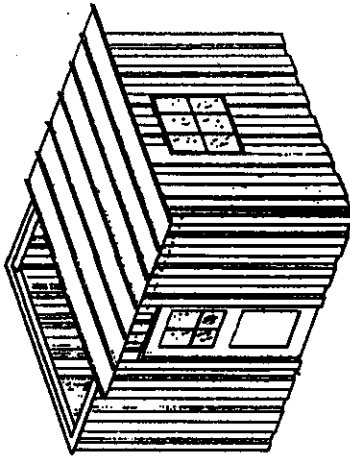
ROOF ERECTION

* If ceiling is to be installed, it must be erected at the same time as is the roof...see std. ceiling detail.

Check building mells for plumb and square. Apply a continuous strip of tape sealant on top of plates. Set the first roof panel with the female rib 8" outside of endwall and with 6" of overhang on each sidewall. Field drill roof panel to match holes in plate and bolt with 1/2" x 3/4" bolts with weather seal washer.

Continue setting roof panels boltline only to the rear plate and keeping ends of panels even. Move rear wall and set the roof panels to maintain the 8" overhang. Again check the mells for plumb and square.

Field drill and bolt the roof panels to the front plate and endwall plates. Place fascia over male rib of the last roof panel. *Note: If ceiling is to be installed, do not erect last roof panel at this time...See std. ceiling details. If alternate gutter-fascia is used, see ET-121. Attach eave flashing 60535 around building with #10 x 7/8" 9/16" O.C. Field cut ends at corners for closing tab.



BLDG. WIDTH	8'-0"	8'-0"	12'-0"
A LOAD	50078	54648	50065
B LOAD	50079	54649	50066
C LOAD	50078	54648	50065
D LOAD	50079	54649	50066

ROOF AND WALL ERECTION TL-1 BUILDING

ET-119	9/67	10/67
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